

# Chapter 5: Environmental Resource Permitting Projects and Emergency Orders

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## ANNUAL REPORTS

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For the reporting period, the annual reports for the Environmental Resource Permitting (ERP) Projects and Emergency Orders (EOs) are presented as appendices to this chapter as follows:

- Appendix 5-1: Annual Permit Report for the Loxahatchee River Watershed Restoration Project, G-160 and G-161 Components
- Appendix 5-2: Annual Emergency Order Report for the Interim Operational Plan for Protection of the Cape Sable Seaside Sparrow
- Appendix 5-3: Annual Permit Report for the C-4 Emergency Detention Basin
- Appendix 5-4: Annual Permit Report for the Holey Land Wildlife Management Area

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## PERMIT INFORMATION UPDATES

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### 8.5 SQUARE MILE MITIGATION

#### FDEP Permit No. EI0297691-001 (ERP)

Permit Title: 8.5 Square Mile Area Mitigation Project Revised Phase I

Permit Administrator: Permit Acquisition and Compliance Section, Office of Everglades Policy and Coordination

Permit Modification Number: Not applicable

Specific Condition Requiring Annual Report: 16

Issue Date: November 8, 2010

Expiration Date: November 8, 2015

Reporting Period: May 1, 2011 to April 30, 2012

Report Prepared By: John Leslie

## Status

The necessary environmental permits have been obtained from the Florida Department of Environmental Protection (FDEP) (issued November 8, 2010) and the United States Army Corps of Engineers (USACE) (issued December 17, 2010) for this project. However, a Conditional Use Permit is required from the Miami-Dade Planning Department. Prior to requesting this permit, the South Florida Water Management District (District or SFWMD) is required to revise the soil reuse plan, which must contain locations of end-users for the spoil material. The schedule for further activity on this project has been put on-hold pending consideration by the Lake Belt Committee to fund this project. The construction bidding process will commence once funding is secured and all permits are obtained.

## Problems Encountered

Further progress on this project is pending Lake Belt Committee approval of funds for the project, the completion of the soil reuse plan, and subsequent request and issuance of a Conditional Use Permit from the Miami-Dade Planning Department.

## Actions to Address Problems

Further progress on this project is dependent upon the determination of funding by the Lake Belt Committee. If funding continues, the District plans to coordinate with Miami-Dade County and discuss key components of the soil reuse plan, including methods and schedule for removing spoil piles from an environmental protection area to more appropriate areas approved by Miami-Dade County.

As of the latest reporting period (May 1, 2011 to April 30, 2012), the status of this project has not changed.

## 8.5 SQUARE MILE MITIGATION

### USACE Permit No. SAJ-2010-01184 (NW-LAO)

Permit Title: 8.5 Square Mile Area Mitigation Project Revised Phase I

Permit Administrator: Permit Acquisition and Compliance Section, Office of Everglades Policy and Coordination

Permit Modification Number: Not applicable

Specific Condition Requiring Annual Report: 16

Issue Date: December 17, 2010

Expiration Date: December 17, 2012

Reporting Period: May 1, 2011 to April 30, 2012

Report Prepared By: John Leslie

## Status

See the status for the 8.5 Square Mile Mitigation (FDEP permit) provided above.

## Problems Encountered

See the status for the 8.5 Square Mile Mitigation (FDEP permit) provided above.

**Actions to Address Problems**

See the status for the 8.5 Square Mile Mitigation (FDEP permit) provided above.

**BUTTERMILK/PACKINGHAM SLOUGH RESTORATION AND FLOOD PROTECTION****FDEP Permit No. 0267164-001 (ERP)**

Permit Title: G-700 Pump Station Bypass Removal

Permit Administrator: Permit Acquisition and Compliance Section, Office of Everglades Policy and Coordination

Permit Modification Number: 0267164-004

Specific Condition Requiring Annual Report: 21

Issue Date: TBD

Expiration Date: TBD

Reporting Period: May 1, 2011 to April 30, 2012

Report Prepared By: John Leslie

**Status**

The District applied for a modification to the original permit, to remove a bypass and reconstruct a ring levee on the south side of the G-700 Pump Station, and to operate the pump station. FDEP has issued to the District a Notice of Intent (NOI) to issue the permit modification. When the advertisement period of July 21, 2012 has been reached, and there are no comments to address, FDEP will issue a permit to the District

**Problems Encountered**

No problems were encountered.

**Actions to Address Problems**

None were needed.

**BUTTERMILK/PACKINGHAM SLOUGH RESTORATION AND FLOOD PROTECTION****USACE Permit No. SAJ-2006-04466(NW-AAZ)**

Permit Title: G-700 Pump Station Bypass Removal

Permit Administrator: Permit Acquisition and Compliance Section, Office of Everglades Policy and Coordination

Permit Modification Number: Not applicable

Specific Condition Requiring Annual Report: N/A

Issue Date: April 12, 2012

Expiration Date: April 12, 2014

Reporting Period: May 1, 2011 to April 30, 2012

Report Prepared By: John Leslie

### **Status**

A nationwide permit has been issued to remove a bypass and reconstruct a ring levee on the south side of the G-700 Pump Station, and to operate the pump station.

### **Problems Encountered**

No problems were encountered.

### **Actions to Address Problems**

None were needed.

## **C-44 RESERVOIR PROJECT – C-132/C-133 CANAL MAINTENANCE**

### **FDEP Permit No. EI-43-0276735-001 (ERP)**

Permit Title: C-132 and C-133 Canal Maintenance

Permit Administrator: Permit Acquisition and Compliance Section, Office of Everglades Policy and Coordination

Permit Modification Number: Not applicable

Specific Conditions Requiring Annual Report: 19 and 23

Issue Date: July 14, 2008

Expiration Date: July 13, 2013

Reporting Period: May 1, 2011 to April 30, 2012

Report Prepared By: Holly Andreotta

### **Status**

The *Time Zero Monitoring Report for the Temporary Wetland Impact Area* was submitted on May 10, 2011. Construction of the C-132/C-133 canal maintenance project is complete. As-built drawings and the Department's "As-built Certification Form" for construction of the C-44 project's C-132 and Northern C-133 canals were submitted to the Department on March 8, 2012.

The C-44 reservoir and stormwater treatment area components, construction, and interim operations will be addressed pursuant to Comprehensive Everglades Restoration Plan (CERP) permit 0297646-002, issued to the USACE on May 27, 2010. Construction of USACE Contract Number 1 (C-44 intake canal, access road, Southern C-133 canal, and Citrus Boulevard features) began on October 10, 2011.

**Problems Encountered**

No problems were encountered.

**Actions to Address Problems**

None were needed.

**CULPEPPER RANCH WETLAND RESTORATION****FDEP Permit No. 43-0300341-002-EG (ERP / Noticed General Permit)**

Permit Title: Culpepper Ranch Wetland Restoration Project

Permit Administrator: Permit Acquisition and Compliance Section, Office of Everglades Policy and Coordination

Permit Modification Number: Not applicable

Specific Condition Requiring Annual Report: None

Issue Date: October 21, 2010

Expiration Date: October 21, 2015

Reporting Period: May 1, 2011 to April 30, 2012

Report Prepared By: Nimmy Jeyakumar

**Status**

Project construction was initiated in December 2010. Construction work included the degradation of approximately one mile of site perimeter and internal berms to natural grade. The spoil material removed from the berms was used to partially fill (plug) 0.37 acres of internal ditches. Filled areas were covered with straw, and then seeded. This work was completed in May 2011. This is the final status report for this project.

**Problems Encountered**

No problems were encountered.

**Actions to Address Problems**

None were needed.

**CYPRESS CREEK RESTORATION****FDEP Permit No. 0300341-001-EI (ERP)**

Permit Title: Cypress Creek Restoration

Permit Administrator: Permit Acquisition and Compliance Section, Office of Everglades Policy and Coordination

Permit Modification Number: Not applicable

Specific Condition Requiring Annual Report: 13

Issue Date: November 23, 2010  
Expiration Date: November 22, 2015  
Reporting Period: May 1, 2011 to April 30, 2012  
Report Prepared By: Nimmy Jeyakumar

### **Status**

This project has not yet been constructed, and there was no activity in the reporting period. Martin County, the co-applicant on the project, continues to work through the process of obtaining additional easements from adjacent property owners. These easements are necessary for project construction.

### **Problems Encountered**

Easements from adjacent properties, necessary for project construction, are not in place.

### **Actions to Address Problems**

Martin County is working with the appropriate landowners to obtain the necessary easements, which is expected to require some additional time.

## **EAST COAST PROTECTION LEVEE REHABILITATION PROJECT**

### **FDEP Permit No. 0305403-001 (ERP)**

Permit Title: East Coast Protection Levee Rehabilitation Project  
Permit Administrator: Permit Acquisition and Compliance Section, Office of Everglades Policy and Coordination  
Permit Modification Number: N/A  
Specific Condition Requiring Annual Report: 22  
Issue Date: March 5, 2012  
Expiration Date: March 5, 2017  
Reporting Period: May 1, 2011 to April 30, 2012  
Report Prepared By: John Leslie

### **Status**

Construction of the East Coast Protection Levee (ECPL) Rehabilitation Project will begin in July 2012, and construction will continue through WY2013.

Rehabilitation of the ECPL is expected to result in approximately 18.77 acres of permanent wetland impacts. Adverse impacts to wetlands will be offset by a 19-acre tree island enhancement project within the Rotenberger Wildlife Management Area (RWMA). The baseline and first annual mitigation monitoring reports were submitted to FDEP on March 21, 2012. Subsequent monitoring reports will be submitted annually.

**Problems Encountered**

No problems were encountered.

**Actions to Address Problems**

None were needed.

**EAST COAST PROTECTION LEVEE REHABILITATION PROJECT****USACE Permit No. SAJ-2009-00971 (NW-AAZ)**

Permit Title: East Coast Protection Levee Rehabilitation Project

Permit Administrator: Permit Acquisition and Compliance Section, Office of Everglades Policy and Coordination

Permit Modification Number: N/A

Specific Condition Requiring Annual Report: N/A

Issue Date: March 5, 2012

Expiration Date: March 5, 2017

Reporting Period: May 1, 2011 to April 30, 2012

Report Prepared By: John Leslie

**Status**

The construction of the East Coast Protection Levee (ECPL) Rehabilitation Project is expected to begin in July 2012. Construction will continue through WY2013.

Rehabilitation of the ECPL is expected to result in approximately 18.77 acres of permanent wetland impacts. Adverse impacts to wetlands will be offset by a 19-acre tree island enhancement project within the Rotenberger Wildlife Management Area (RWMA). The baseline and first annual mitigation monitoring reports were submitted to FDEP on March 21, 2012. Subsequent monitoring reports will be submitted annually.

**Problems Encountered**

No problems were encountered.

**Actions to Address Problems**

None were needed.

**S-197 STRUCTURE REPLACEMENT PROJECT****FDEP Permit No. 0306639-001 (ERP)**

Permit Title: S-197 Structure Replacement Project

Permit Administrator: Permit Acquisition and Compliance Section, Office of Everglades Policy and Coordination

Permit Modification Number: N/A  
Specific Condition Requiring Annual Report: 24  
Issue Date: August 9, 2011  
Expiration Date: August 9, 2016  
Reporting Period: May 1, 2011 to April 30, 2012  
Report Prepared By: John Leslie

### **Status**

The S-197 Structure Replacement Project was issued the Notice to Proceed on August 31, 2011, and construction began in November 2011. During WY2012, construction consisted of demolition of ten of the thirteen culverts, western canal bank shoreline grading and stabilization, installation of new wing-walls on the west canal bank, construction of the cofferdam, and dewatering for the new concrete box culvert. Construction is anticipated to be complete in WY13.

Construction of S-197 will impact 0.06 acres of mangroves in the project area. Adverse impacts to mangroves will be offset by planting approximately 160 red mangroves within 0.11 acres along the east canal bank of the C-111, downstream of the S-197 structure. The mangroves will be planted after construction is completed in 2013.

### **Problems Encountered**

No problems were encountered.

### **Actions to Address Problems**

None were needed.

## **S-197 STRUCTURE REPLACEMENT PROJECT**

### **USACE Permit No. SAJ-2011-00614 (IP-AAZ)**

Permit Title: S-197 Structure Replacement Project  
Permit Administrator: Permit Acquisition and Compliance Section, Office of Everglades Policy and Coordination  
Permit Modification Number: N/A  
Specific Condition Requiring Annual Report: N/A  
Issue Date: August 10, 2011  
Expiration Date: August 10, 2016  
Reporting Period: May 1, 2011 to April 30, 2012  
Report Prepared By: John Leslie

### **Status**

The S-197 Structure Replacement Project was issued the Notice to Proceed on August 31, 2011, and construction began in November 2011. During WY2012, construction consisted of demolition of ten of the thirteen culverts, western canal bank shoreline grading and stabilization,

installation of new wing-walls on the west canal bank, construction of the cofferdam, and dewatering for the new concrete box culvert. Construction is anticipated to be complete in WY13.

Construction of S-197 will impact 0.06 acres of mangroves in the project area. Adverse impacts to mangroves will be offset by planting approximately 160 red mangroves within 0.11 acres along the east canal bank of the C-111, downstream of the S-197 structure. The mangroves will be planted after construction is completed in 2013.

**Problems Encountered**

No problems were encountered.

**Actions to Address Problems**

None were needed.